

(FILE 'HOME' ENTERED AT 16:58:33 ON 26 APR 2002)

FILE 'REGISTRY' ENTERED AT 16:58:39 ON 26 APR 2002

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L1 1 S E3

FILE 'USPATFULL, HCAPLUS, CAOLD' ENTERED AT 16:59:15 ON 26 APR 2002

L2 640065 S ANTIOXIDANT OR OXIDIZE OR OXIDIZING OR OXIDIZED OR (FREE (W)
L3 118 S 2937-54-4/RN OR ((2-AMINOETHANESULFONOTHIOIC OR (AMINO (W) ET
L4 22 S L2 AND L3
L5 247068 S (HYDROXYCARBOXYLIC OR GLYCOLIC OR LACTIC OR MALIC OR CITRIC O
L6 239897 S (HYDROXYCARBOXYLIC OR GLYCOLIC OR LACTIC OR MALIC OR CITRIC O
L7 29868 S (UV OR ULTRAVIOLET OR (ULTRA (W) VIOLET)) (3A) (ABSORBER OR A
L8 4 S L4 AND L6
L9 3 S L4 AND L7
L10 3 S L8 AND L9

L33 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1995:963675 HCAPLUS
DOCUMENT NUMBER: 123:349878
TITLE: Topical compositions for preventing oxygen
radical-related skin discoloration
INVENTOR(S): Kameyama, Hisami; Masunaga, Takuji; Ryu, Akyoshi
PATENT ASSIGNEE(S): Kosei Kk, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
INT. PATENT CLASSIF.:
MAIN: A61K007-48
SECONDARY: A61K007-00; A61K007-42; A61K031-035; A61K031-07;
A61K031-12; A61K031-135; A61K031-195; A61K031-22;
A61K031-23; A61K031-35; A61K031-355; A61K031-375;
A61K031-40; A61K031-405; A61K031-415; A61K031-445;
A61K031-47; A61K031-555; A61K031-575
CLASSIFICATION: 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 1, 63
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|--------------|
| JP 07233046 | A2 | 19950905 | JP 1994-333581 | 19941216 <-- |
| JP 09110670 | A2 | 19970428 | JP 1996-266639 | 19941216 |
| JP 11193226 | A2 | 19990721 | JP 1998-302127 | 19941216 |
| PRIORITY APPLN. INFO.: | | | JP 1993-349055 | 19931228 |
| | | | JP 1994-333581 | 19941216 |

ABSTRACT:

Topical compns. for preventing oxygen radical-related skin discoloration comprise active ingredients (scavengers that react with oxygen radical at a rate of .gtoreq.1 X 106M-ls-1) with addn. of collagen crosslinking inhibitors, instant darkening inhibitors and/or oxygen inactivation inhibitors, and optionally UV absorbents. A gel ointment contained carboxyvinyl polymer 1.0, triethanolamine 1.0, 1,3-butylene glycol 10.0, .alpha.-glucosylrutin 0.01, and purified water to 100wt. parts.

SUPPL. TERM: topical compn oxygen radical skin discoloration
INDEX TERM: Collagens, biological studies
ROLE: ADV (Adverse effect, including toxicity); BAC
(Biological activity or effector, except adverse); BUU
(Biological use, unclassified); BIOL (Biological study);
USES (Uses)
(crosslinking inhibitors; topical compns. for preventing
oxygen radical-related skin discoloration)
INDEX TERM: Scavengers
(oxygen; topical compns. for preventing oxygen
radical-related skin discoloration)
INDEX TERM: Cosmetics
Sunscreens
(topical compns. for preventing oxygen radical-related
skin discoloration)
INDEX TERM: Reactive oxygen species
ROLE: ADV (Adverse effect, including toxicity); BIOL
(Biological study)
(topical compns. for preventing oxygen radical-related
skin discoloration)

INDEX TERM: Anthocyanins
 ROLE: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (topical compns. for preventing oxygen radical-related skin discoloration)

INDEX TERM: Phosphatidylcholines, biological studies
 ROLE: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (topical compns. for preventing oxygen radical-related skin discoloration)

INDEX TERM: Phosphatidylethanolamines
 ROLE: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (topical compns. for preventing oxygen radical-related skin discoloration)

INDEX TERM: Proanthocyanidins
 ROLE: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (topical compns. for preventing oxygen radical-related skin discoloration)

INDEX TERM: Skin, disease
 (discoloration, topical compns. for preventing oxygen radical-related skin discoloration)

INDEX TERM: **Cosmetics**
 (gels, gel; topical compns. for preventing oxygen radical-related skin discoloration)

INDEX TERM: Pharmaceutical dosage forms
 (topical, topical compns. for preventing oxygen radical-related skin discoloration)

INDEX TERM: 7782-44-7, Oxygen, biological studies
 ROLE: ADV (Adverse effect, including toxicity); BAC (Biological activity or effector, except adverse); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (inactivation inhibitors; topical compns. for preventing oxygen radical-related skin discoloration)

INDEX TERM: 7782-44-7D, Oxygen, radical
 ROLE: ADV (Adverse effect, including toxicity); BIOL (Biological study)
 (topical compns. for preventing oxygen radical-related skin discoloration)

INDEX TERM: 50-81-7, Ascorbic acid, biological studies 52-90-4, Cystein, biological studies 57-87-4, Ergosterol
 58-95-7,
 .alpha.-Tocopherol acetate 59-02-9, .alpha.-Tocopherol 59-92-7, Dopa, biological studies 60-18-4, Tyrosine, biological studies 60-33-3, Linolic acid, biological studies 63-68-3, Methionine, biological studies
 65-85-0,
 Benzoic acid, biological studies 68-26-8, Retinol 69-65-8, Mannitol 71-00-1, Histidine, biological studies 73-22-3, Tryptophan, biological studies 91-22-5, Quinoline, biological studies 111-02-4, Squalene 117-39-5, Quercetine 119-13-1, .delta.-Tocopherol 120-80-9, Catechin, biological studies 148-03-8, .beta.-Tocopherol 151-21-3, SDS, biological studies 153-18-4D, Rutin, .alpha.-glucosyl derivs. 300-84-5, Hypotaurine 479-61-8, Chlorophyll a 521-31-3, Luminol 635-65-4, Bilirubin, biological studies 1321-67-1,

Naphthol 2937-54-4, Thiotaurine

5466-77-3, 2-Ethylhexyl p-methoxycinnamate 7235-40-7,

.beta.-Carotene 7616-22-0, .gamma.-Tocopherol

14459-29-1, Hematoporphyrin 26628-22-8, Sodium azide

159397-46-3

ROLE: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(topical compns. for preventing oxygen radical-related skin discoloration)